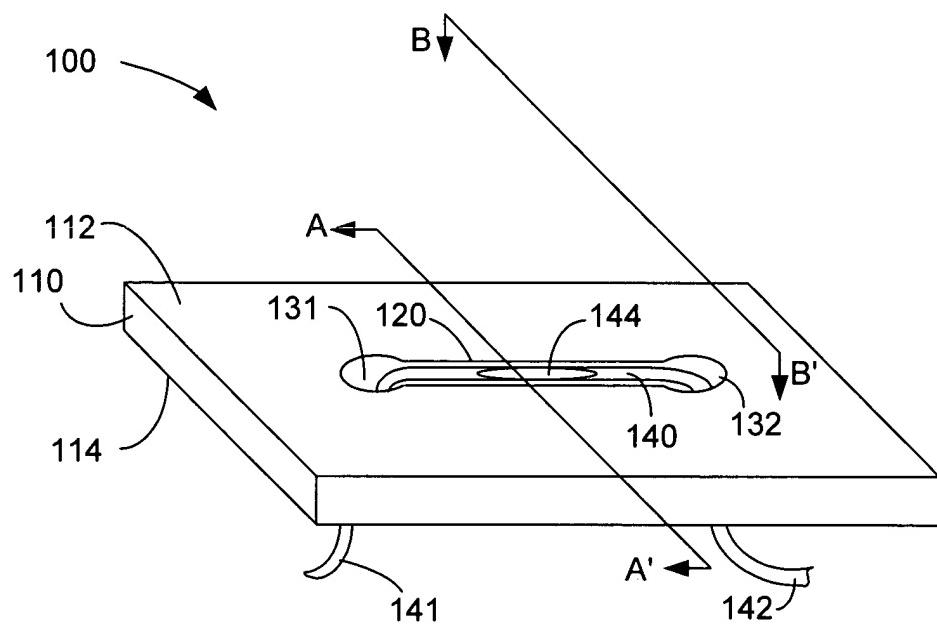
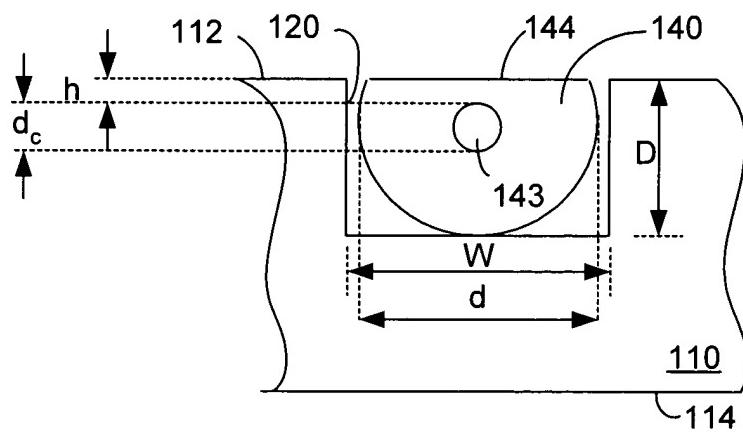


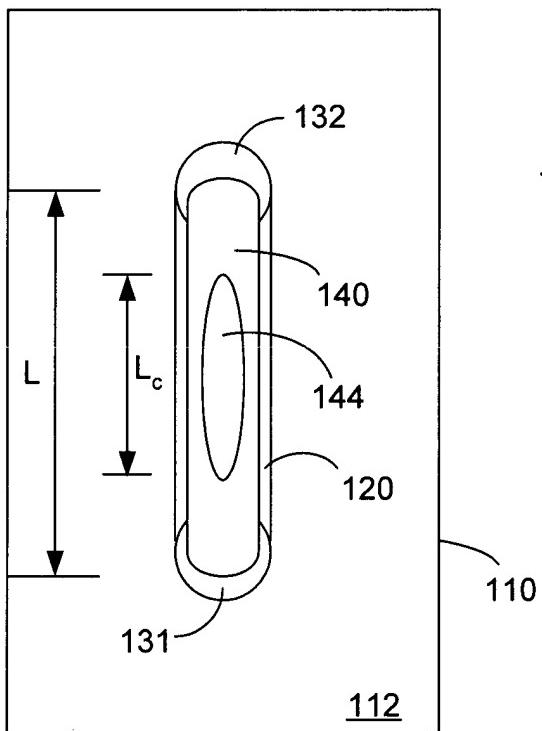
**FIG. 1**



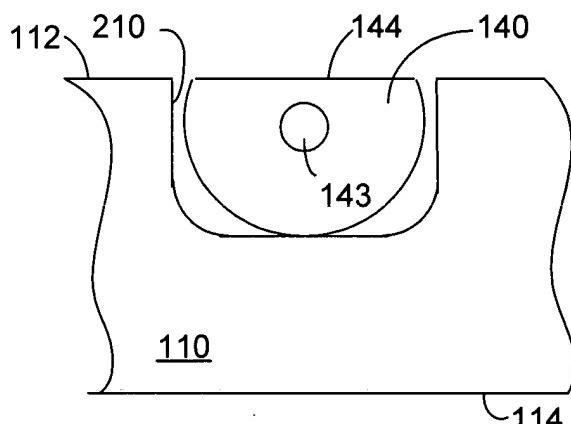
**FIG. 2A**



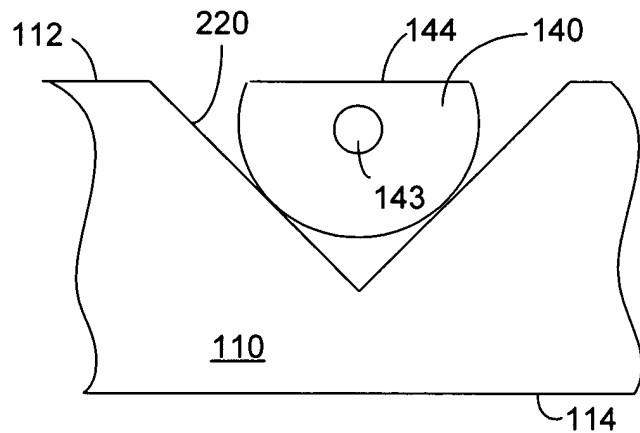
**FIG. 2B**



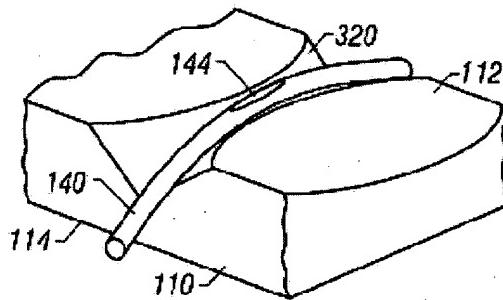
**FIG. 2C**



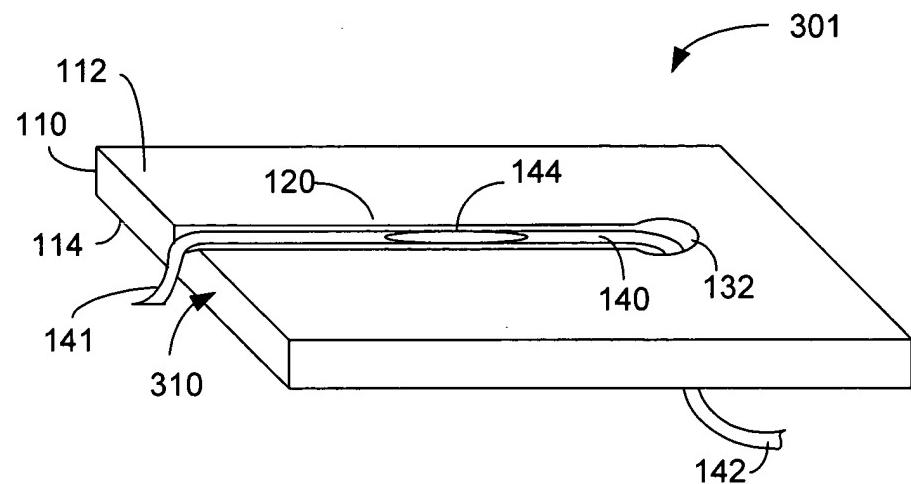
**FIG. 2D**



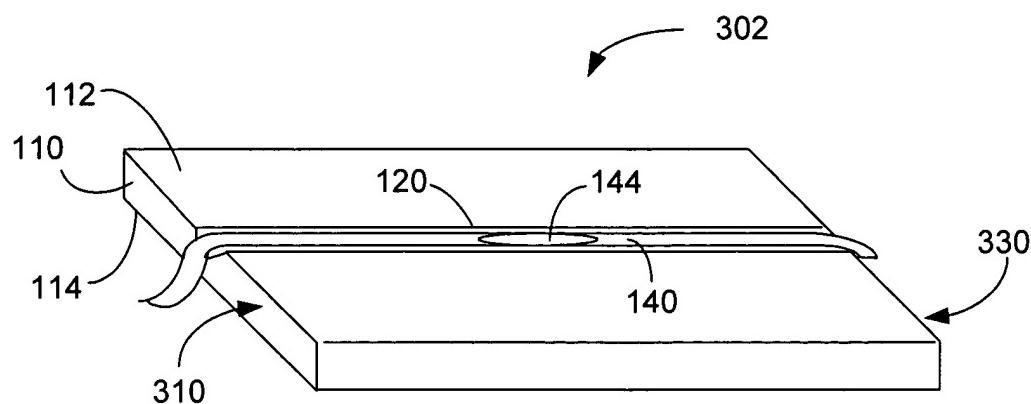
**FIG. 2E**



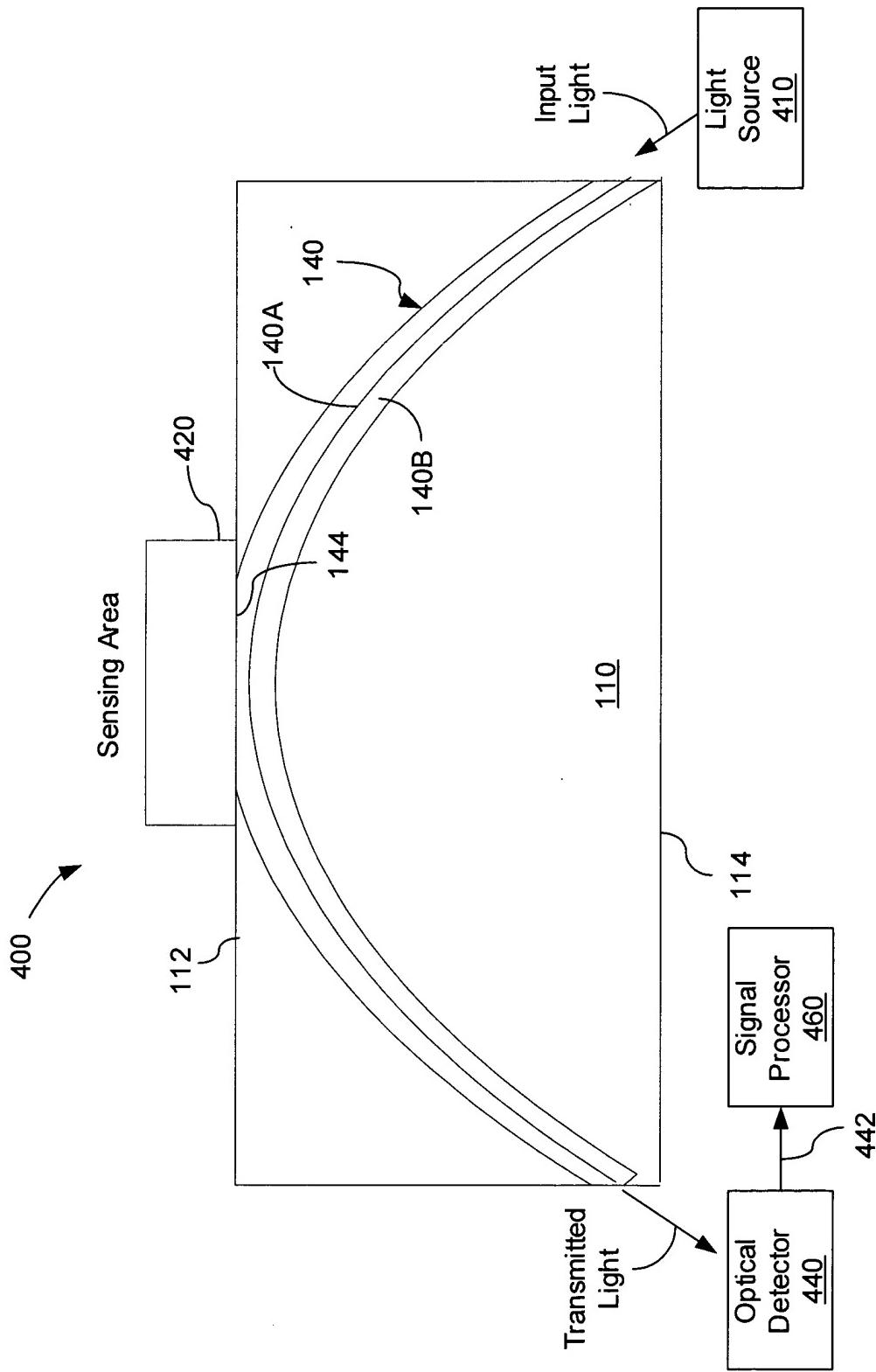
**FIG. 3A**



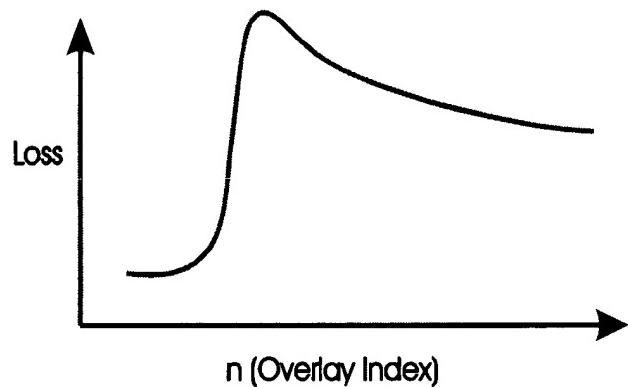
**FIG. 3B**



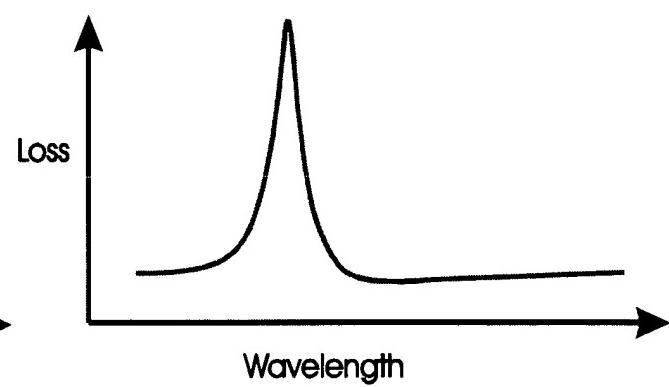
**FIG. 4**



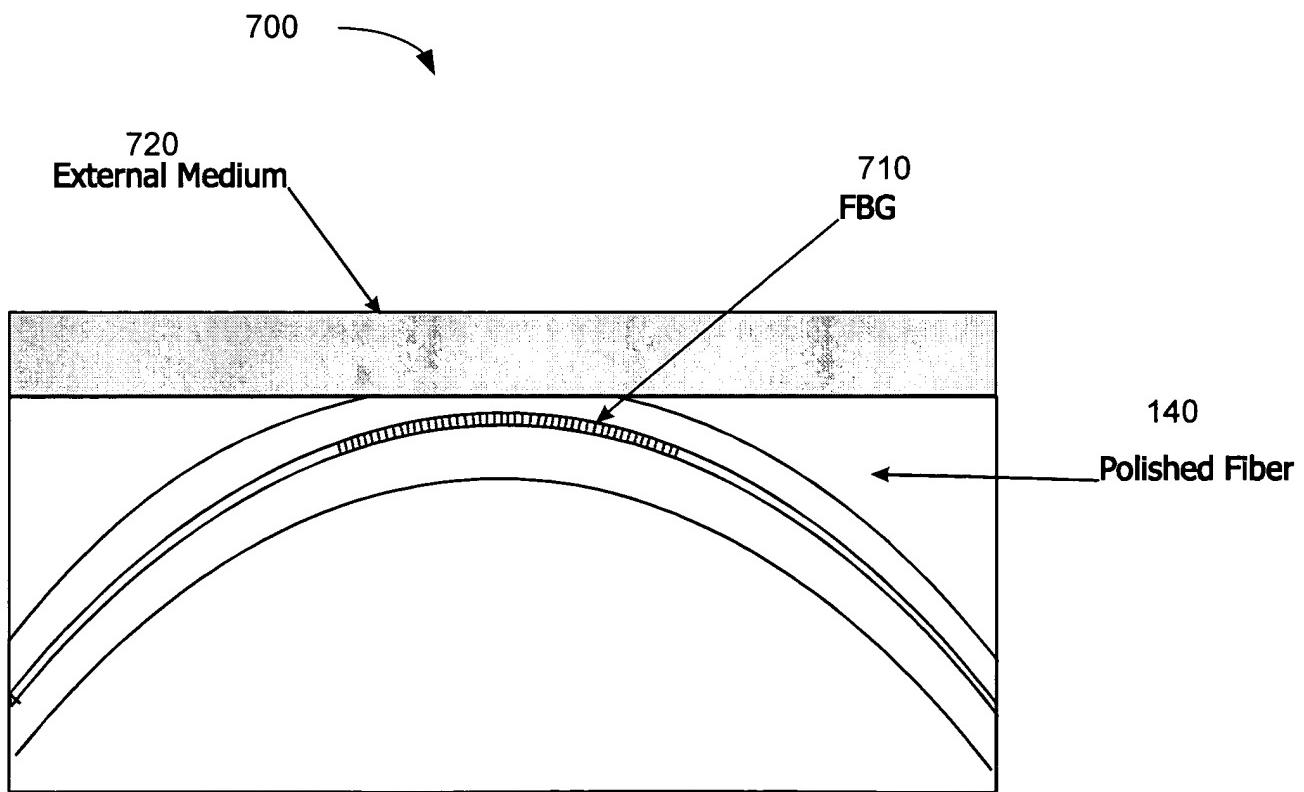
**FIG. 5**



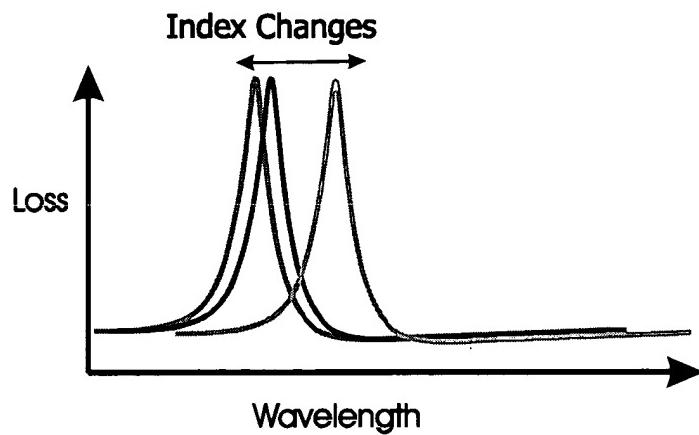
**FIG. 6**



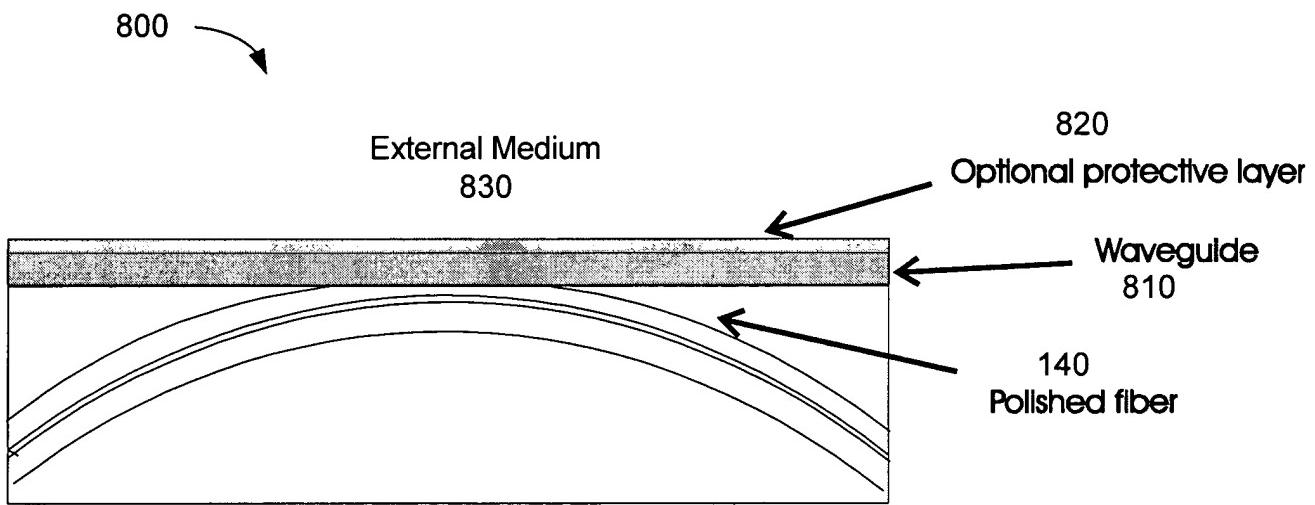
**FIG. 7A**



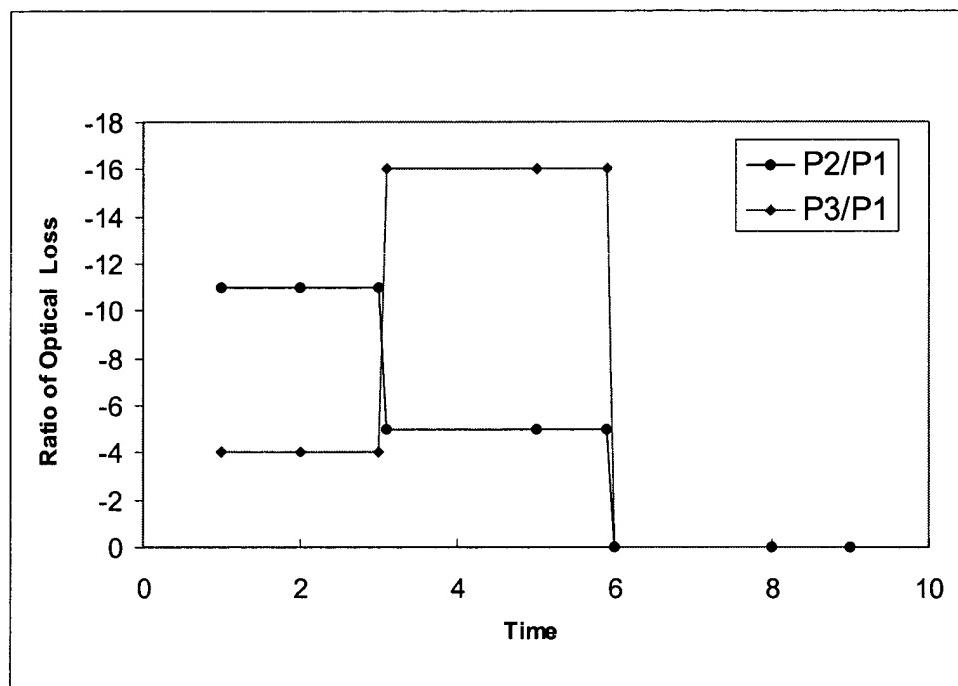
**FIG. 7B**



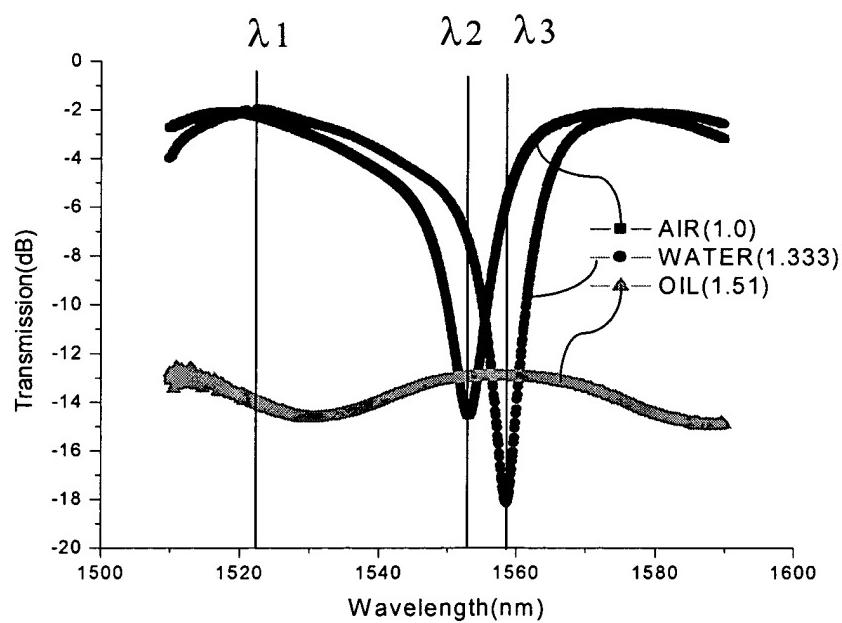
**FIG. 8A**



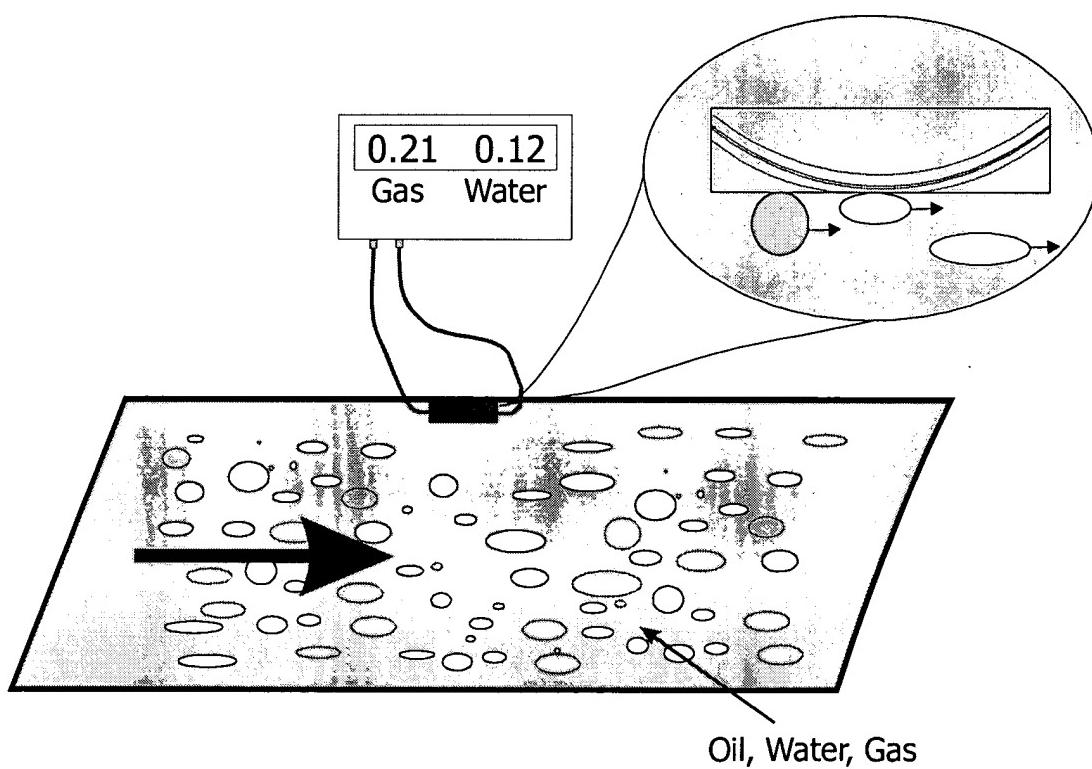
**FIG. 8B**



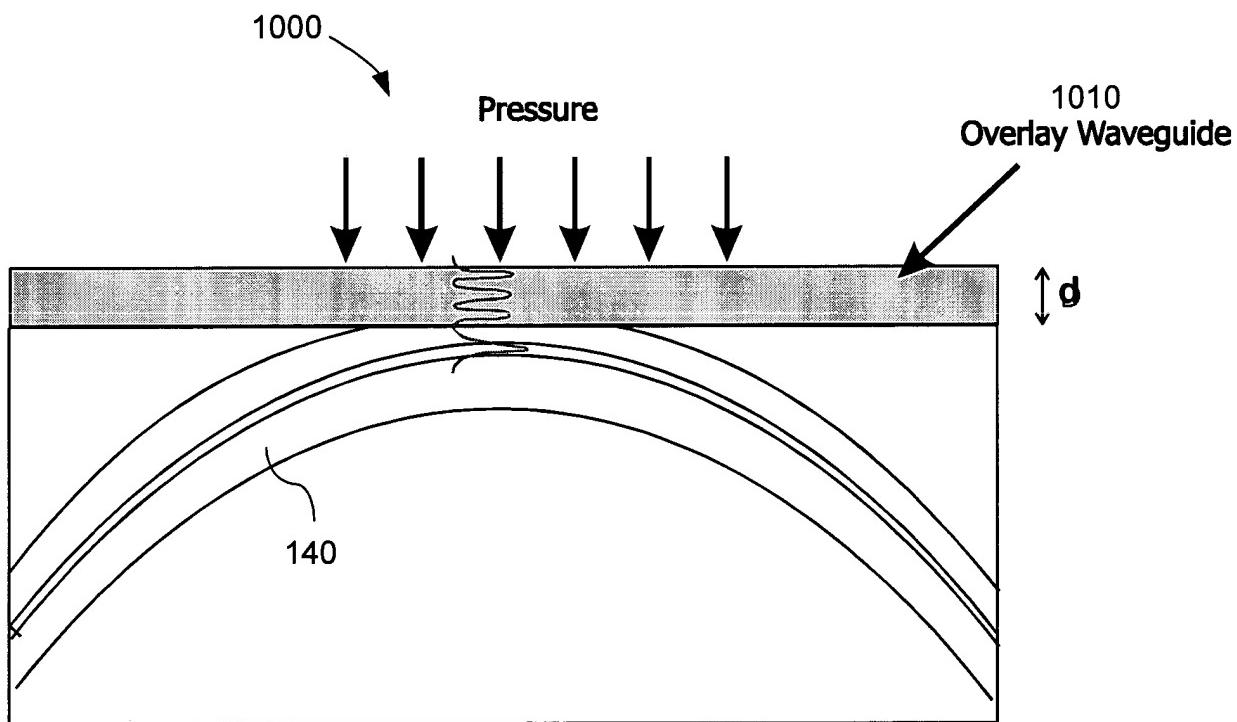
**FIG. 8C**



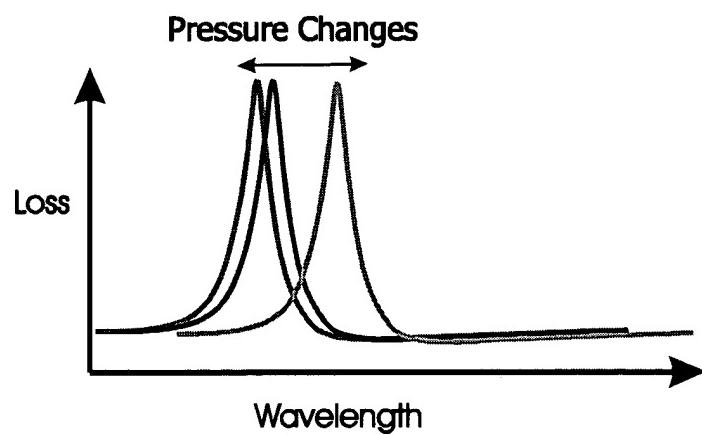
**FIG. 9**



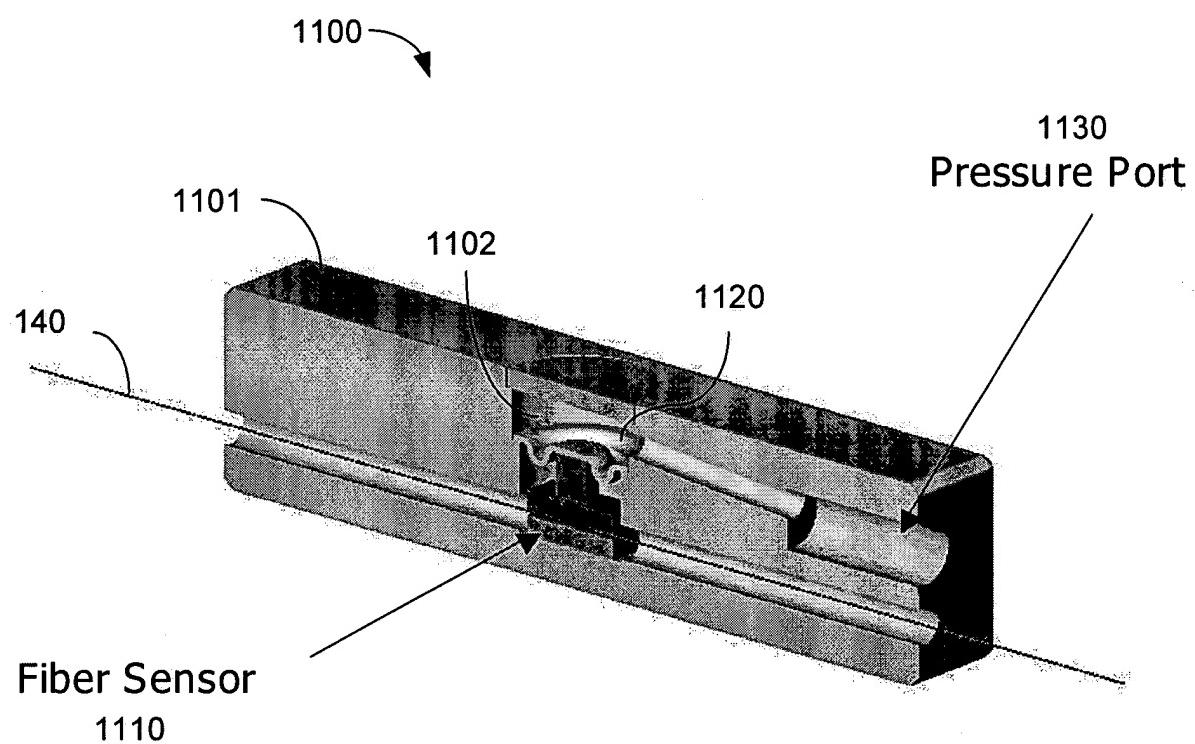
**FIG. 10A**



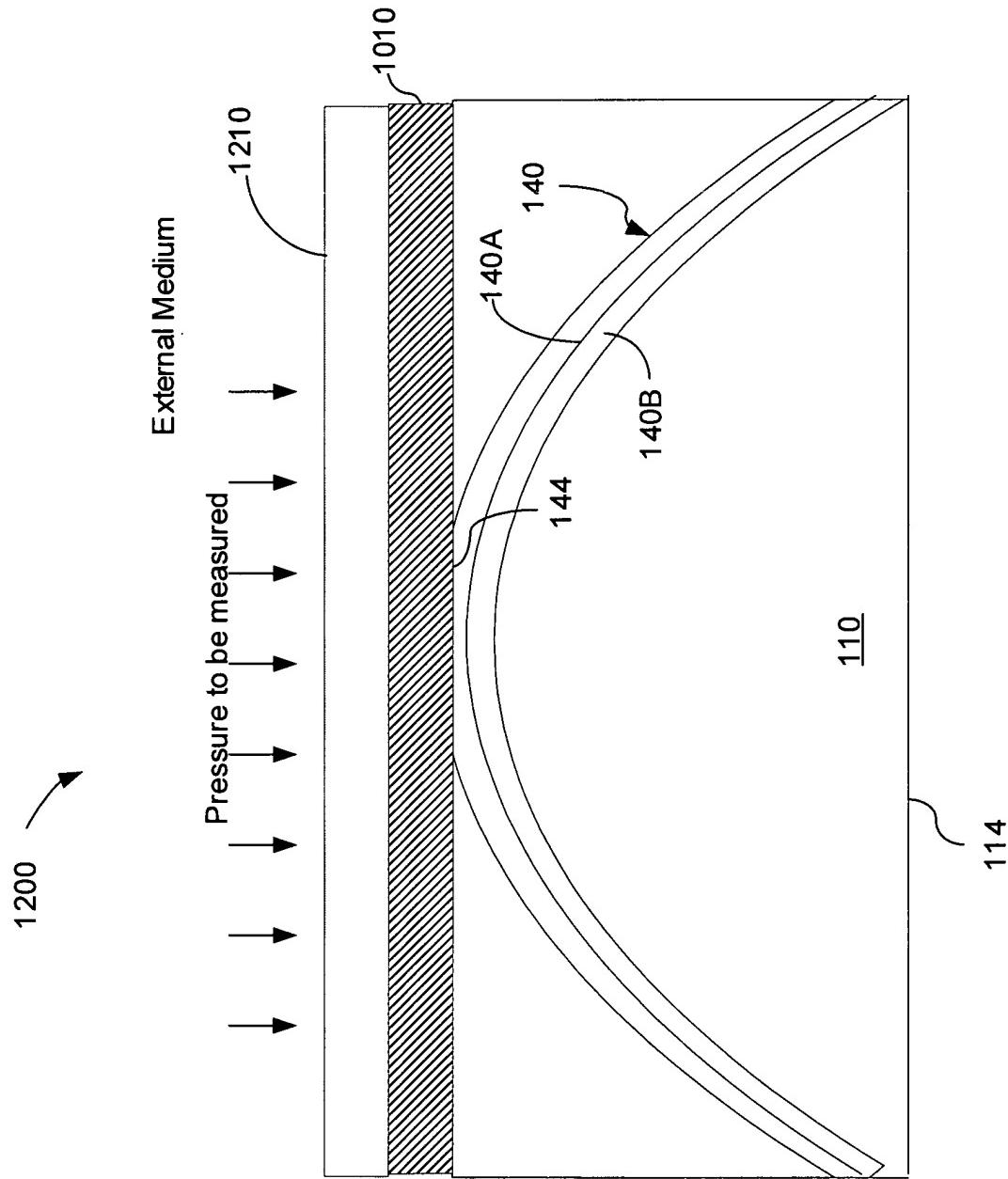
**FIG. 10B**



**FIG. 11**



**FIG. 12**



**FIG. 12A**

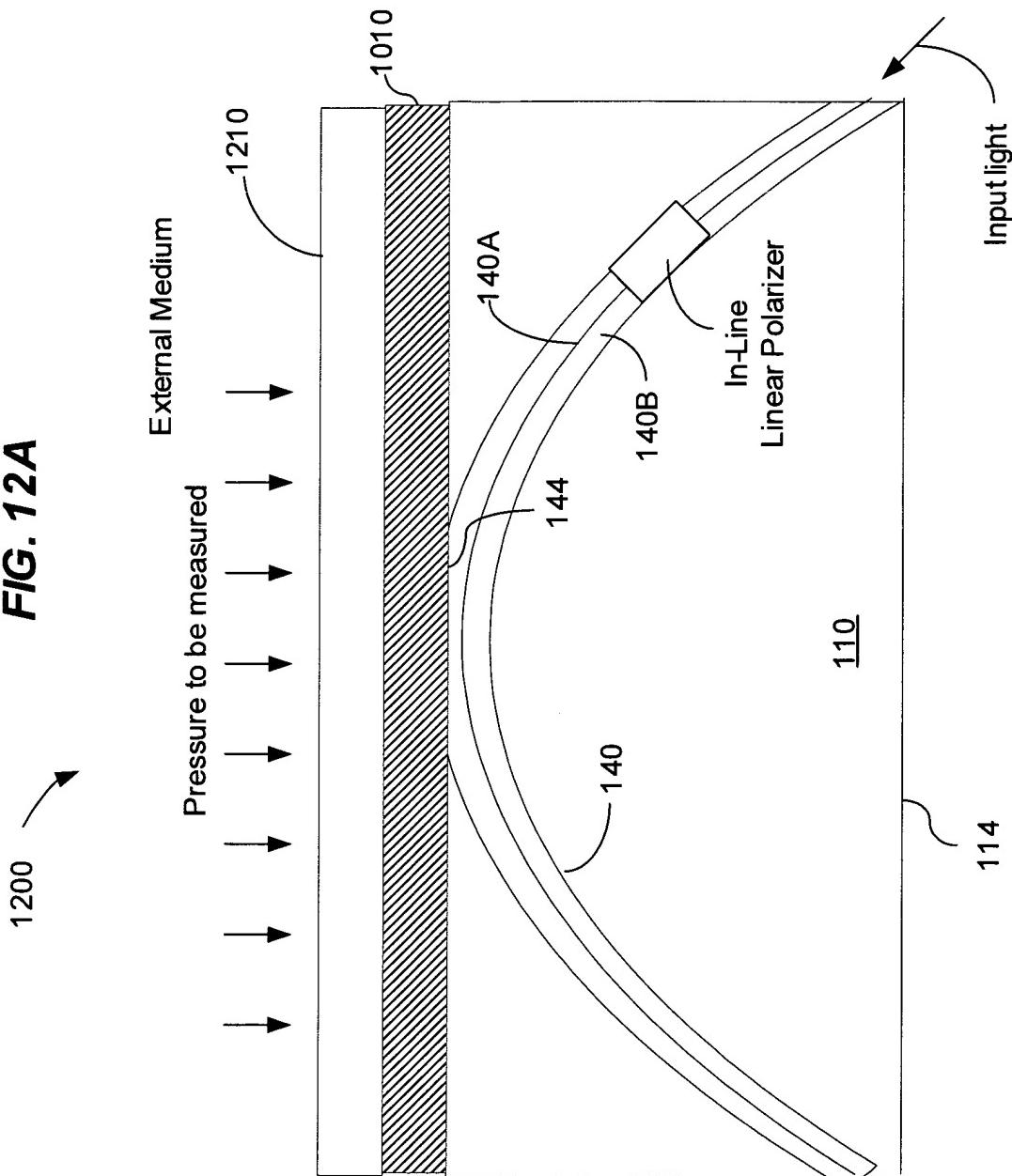
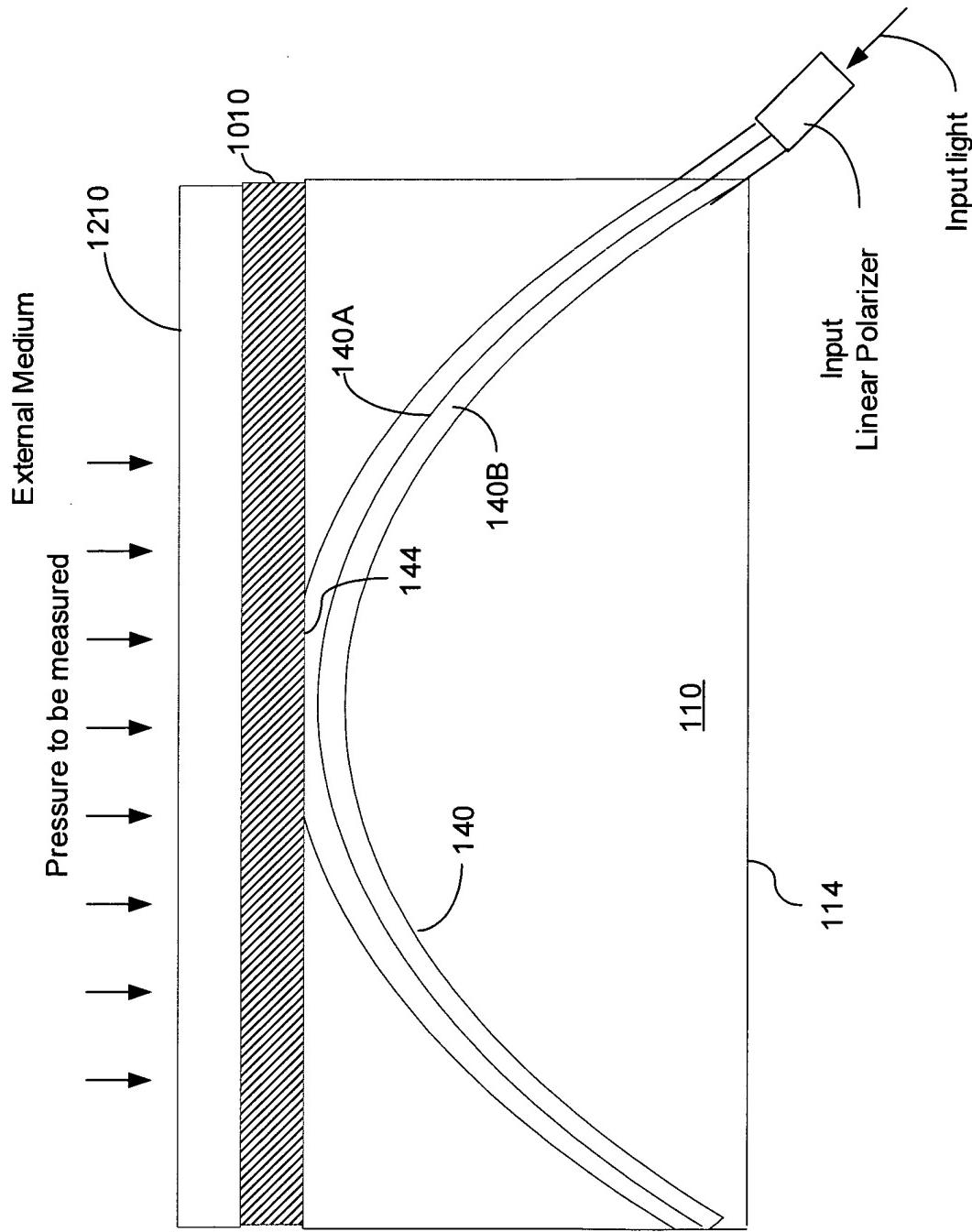
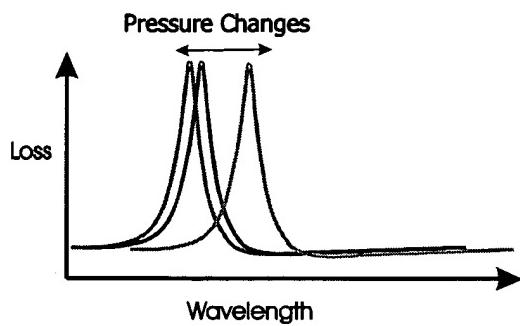
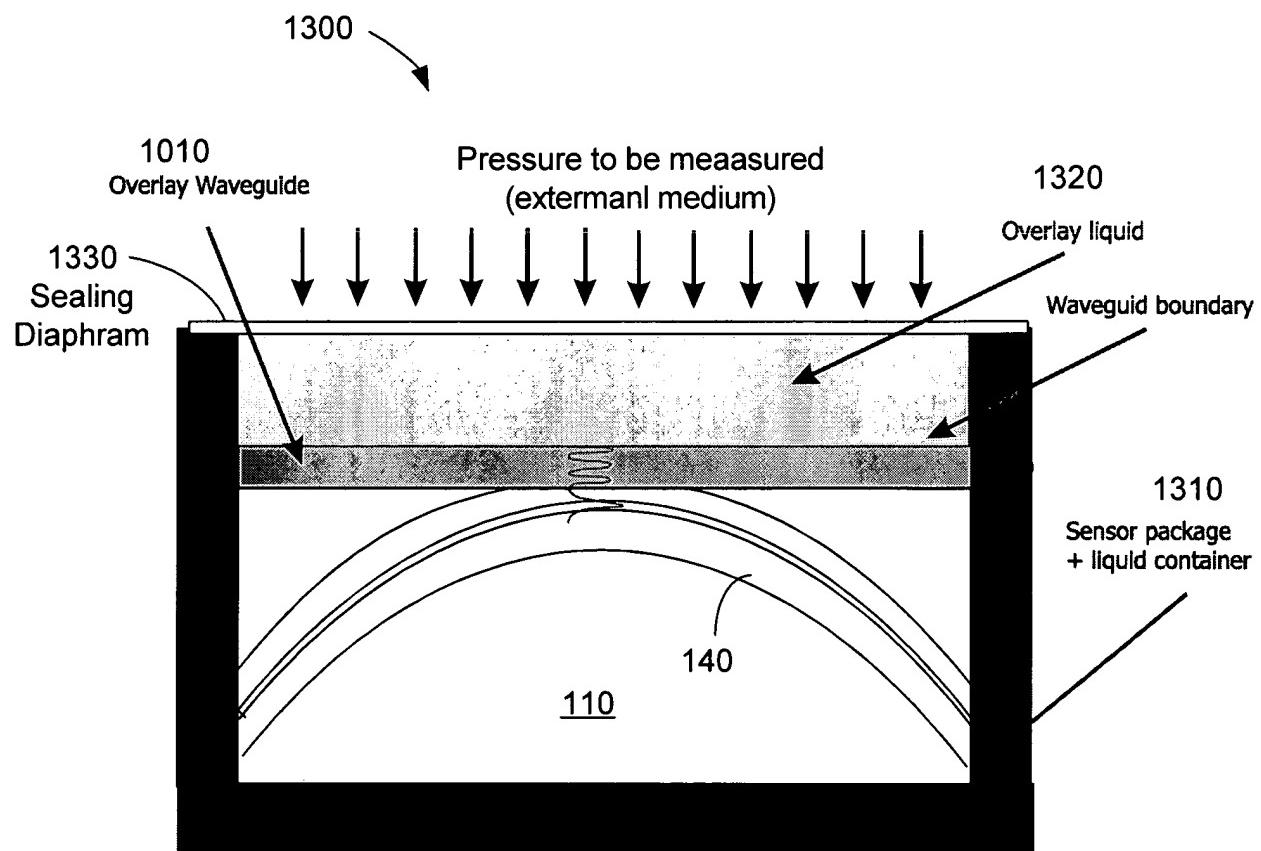


FIG. 12B

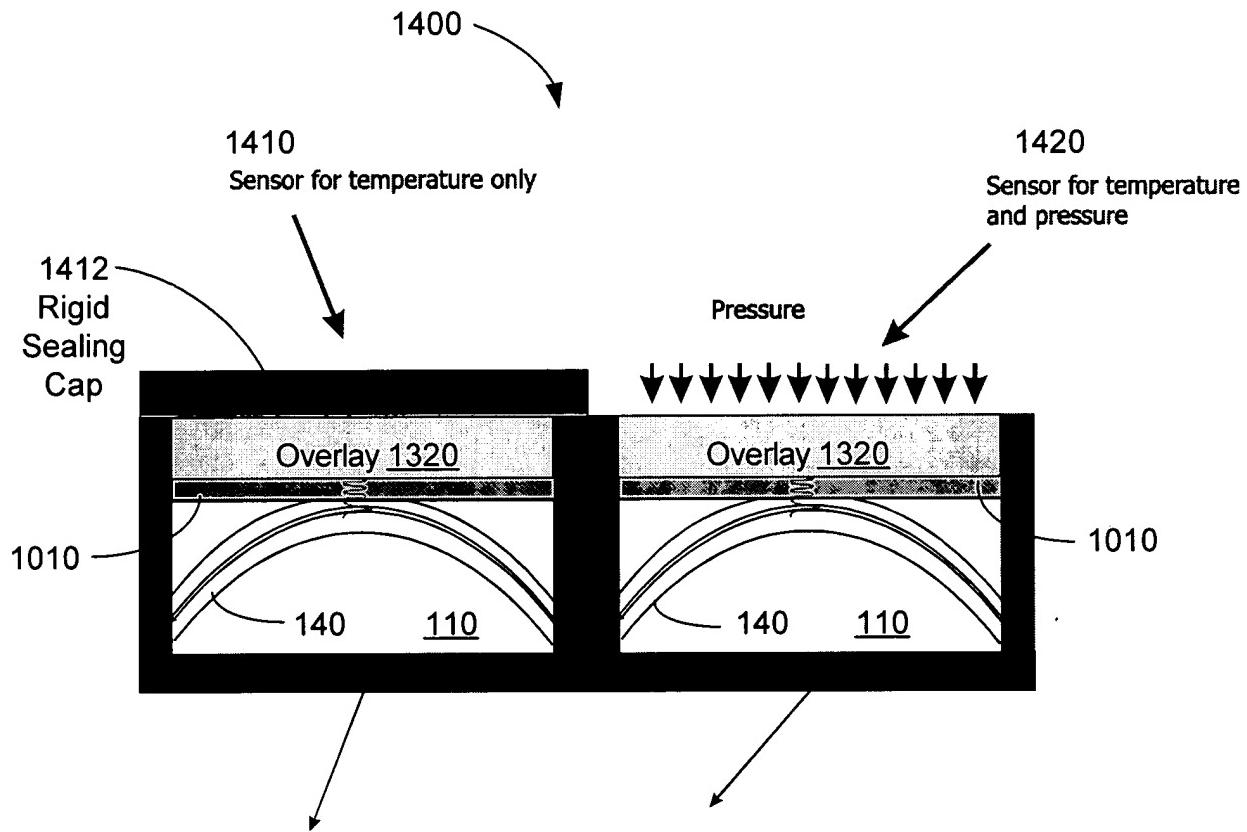


**FIG. 13A**

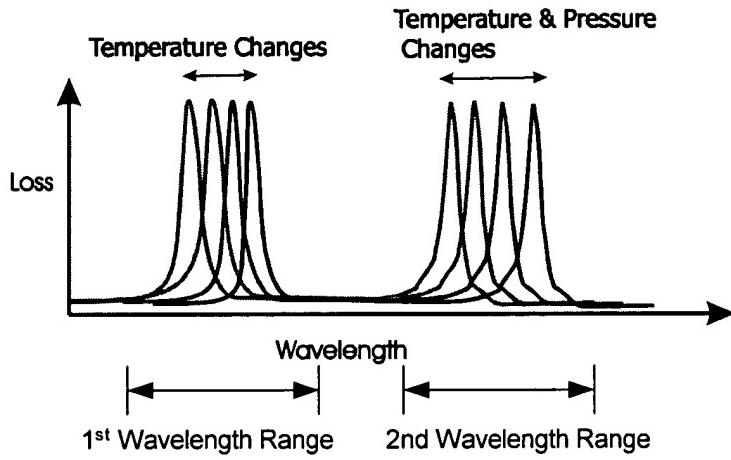


**FIG. 13B**

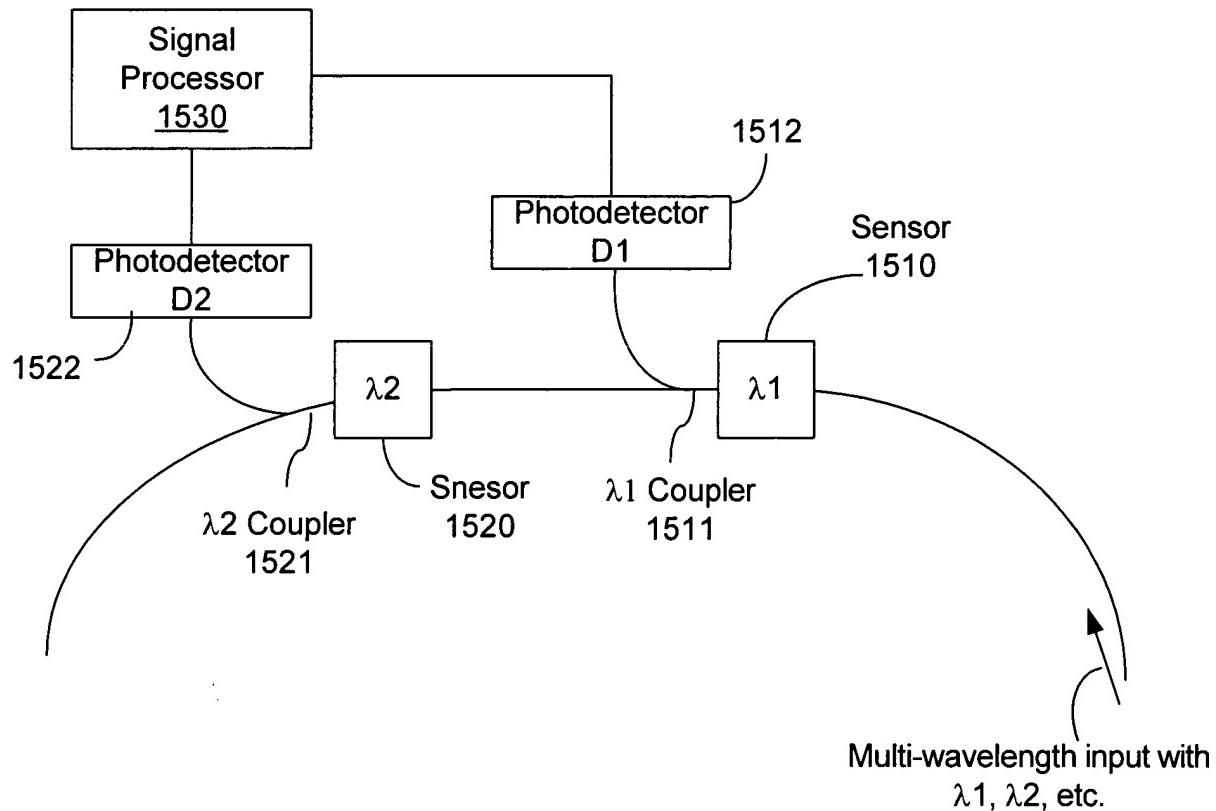
**FIG. 14A**



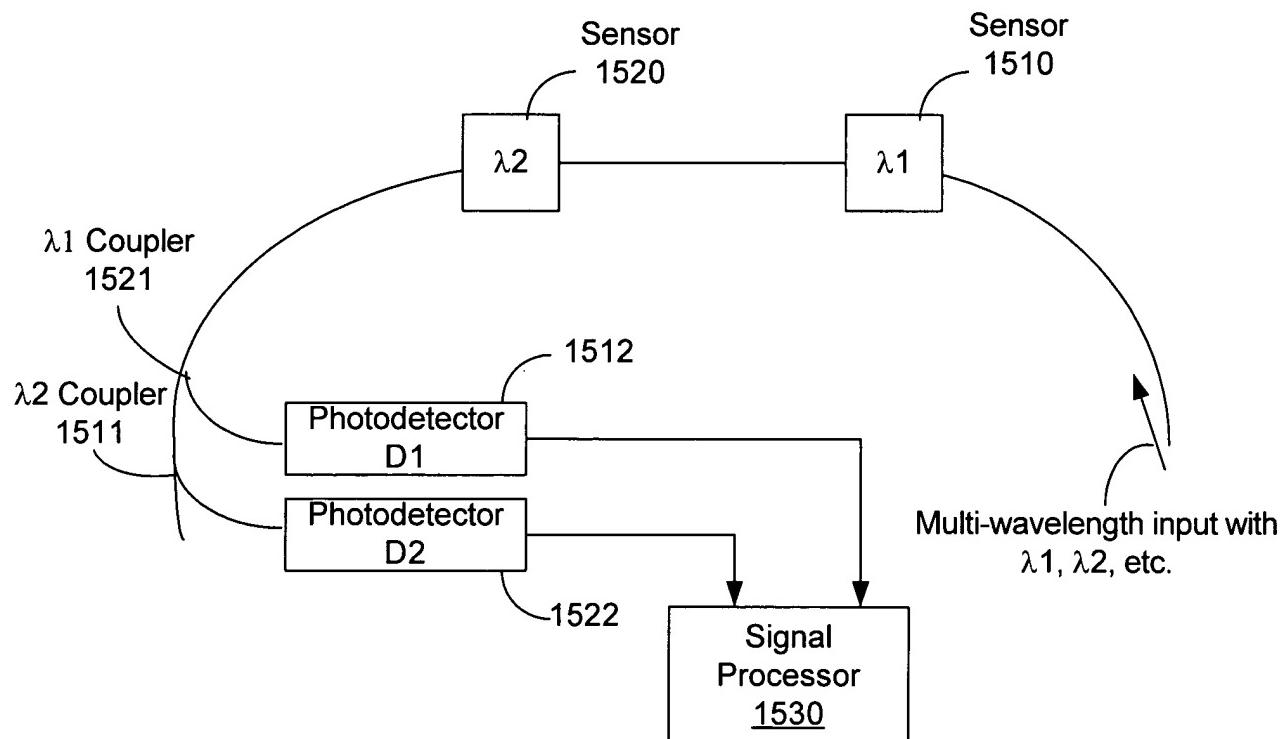
**FIG. 14B**



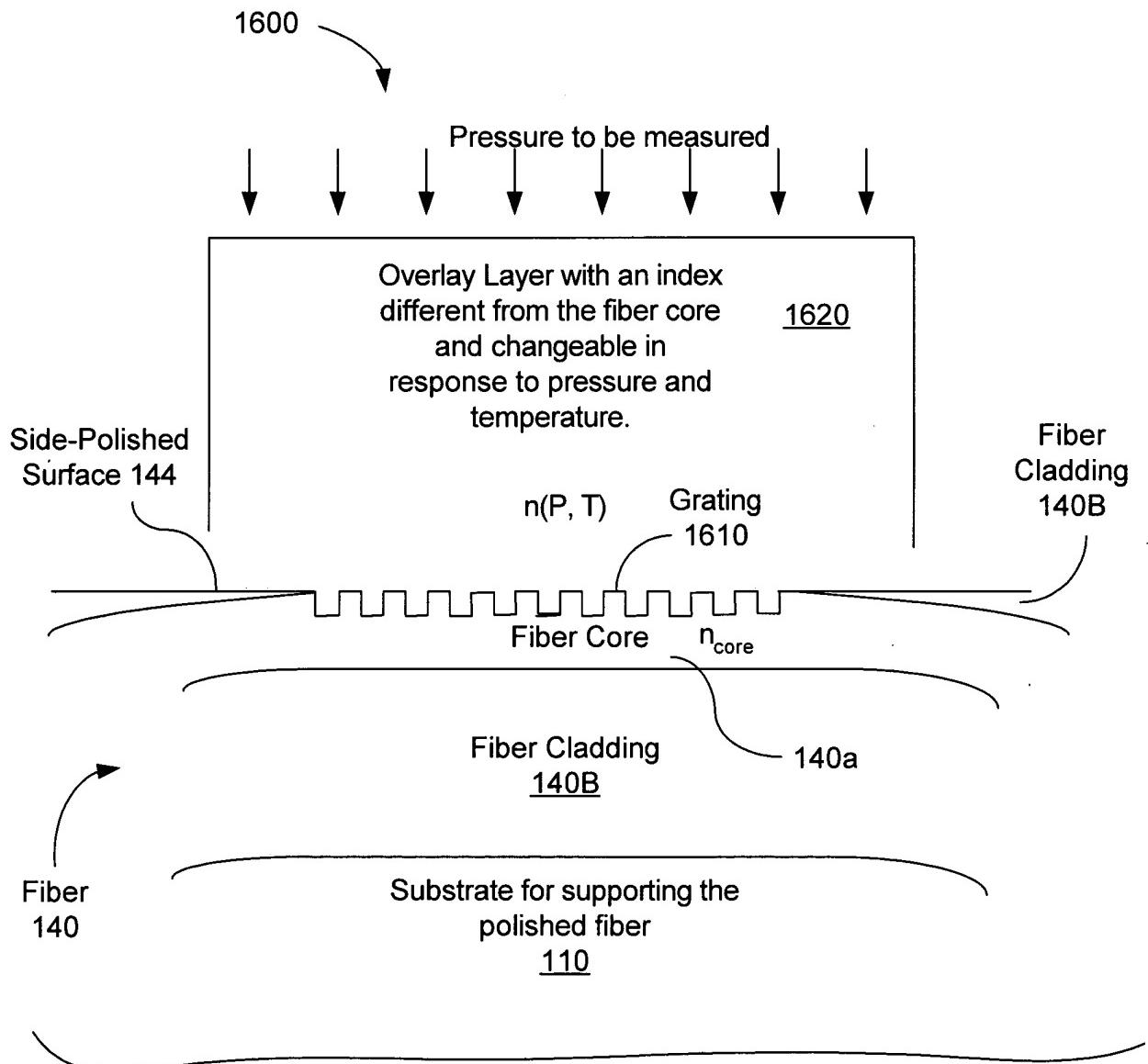
**FIG. 15A**



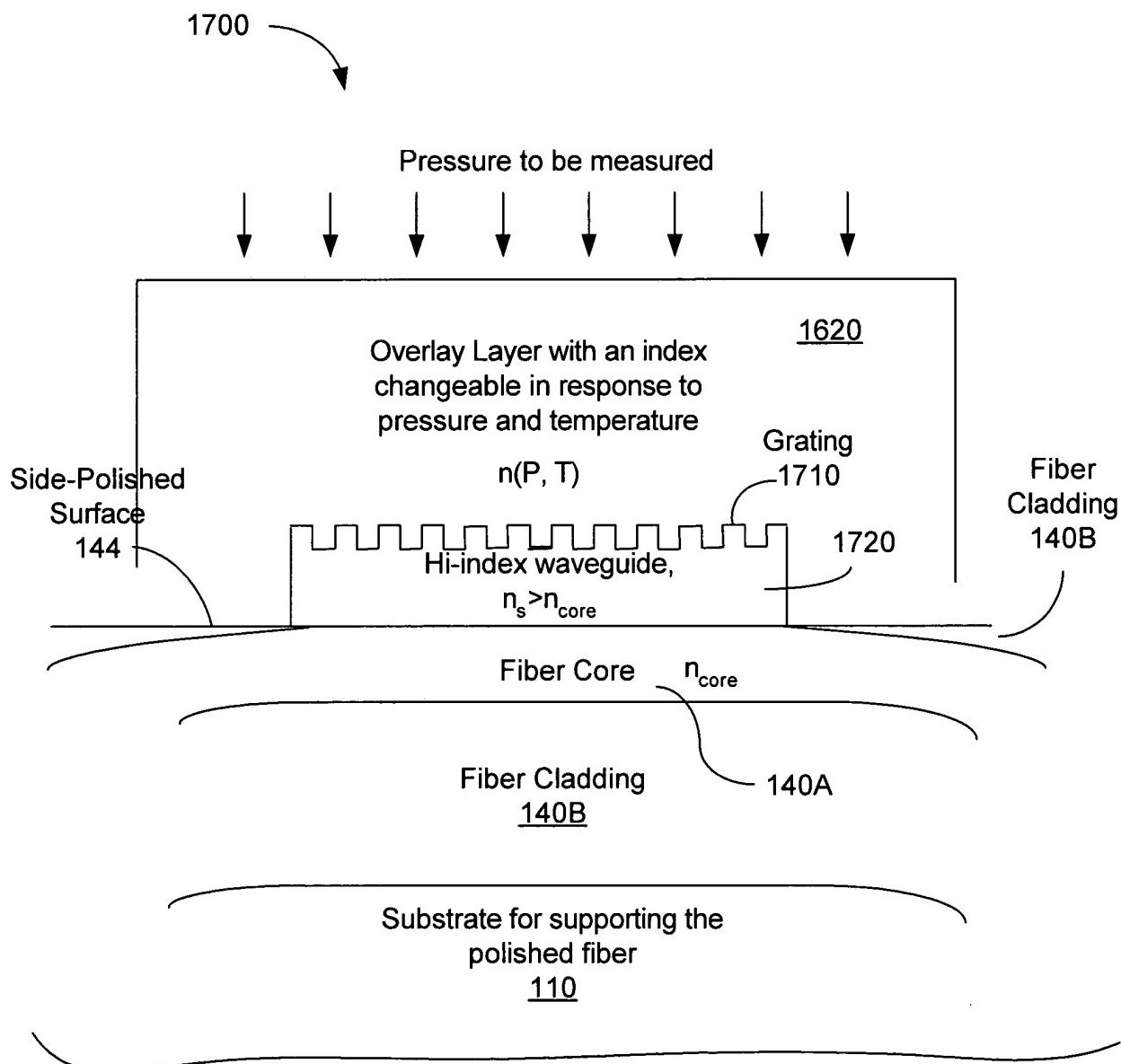
**FIG. 15B**



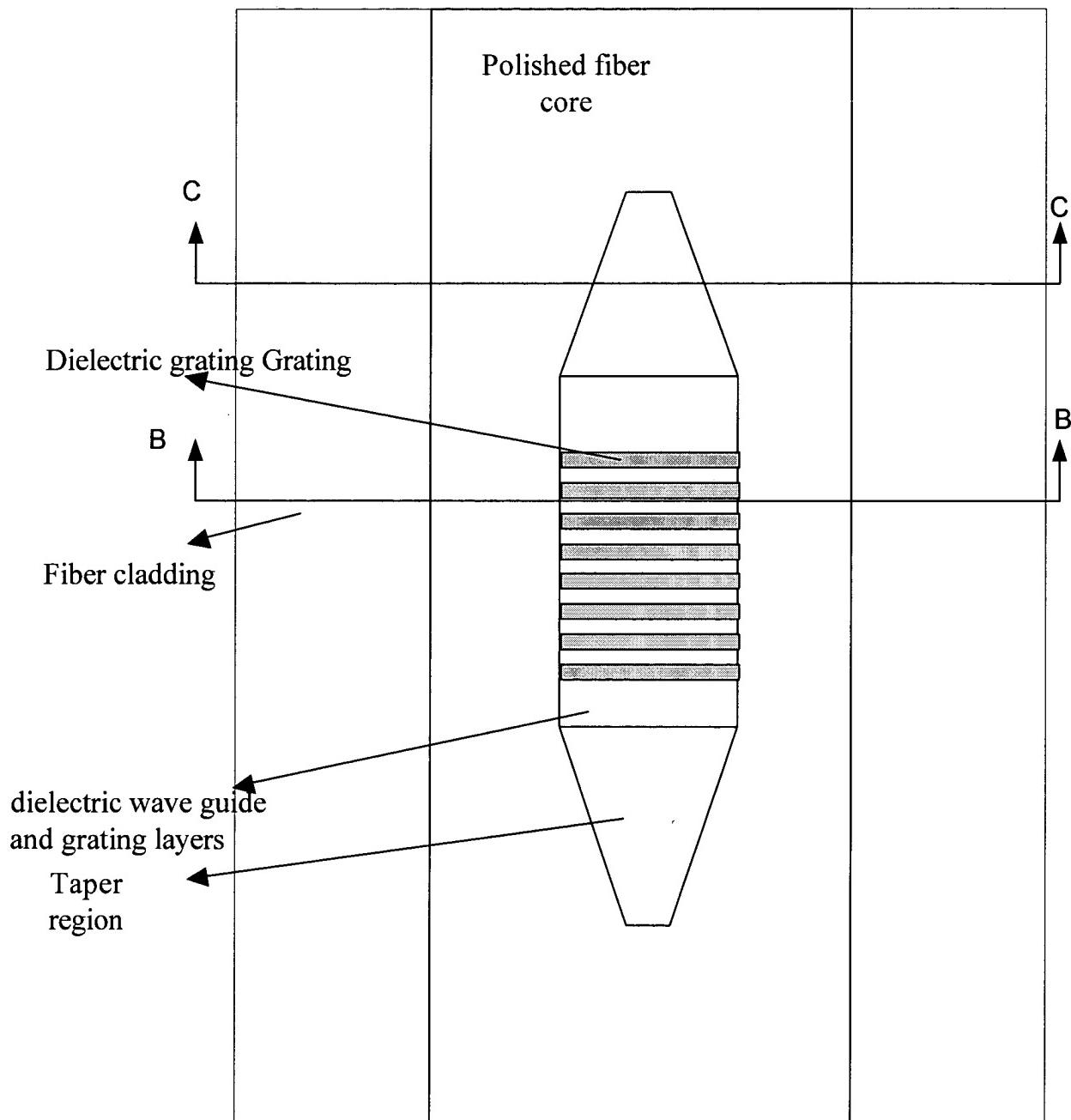
**FIG. 16**



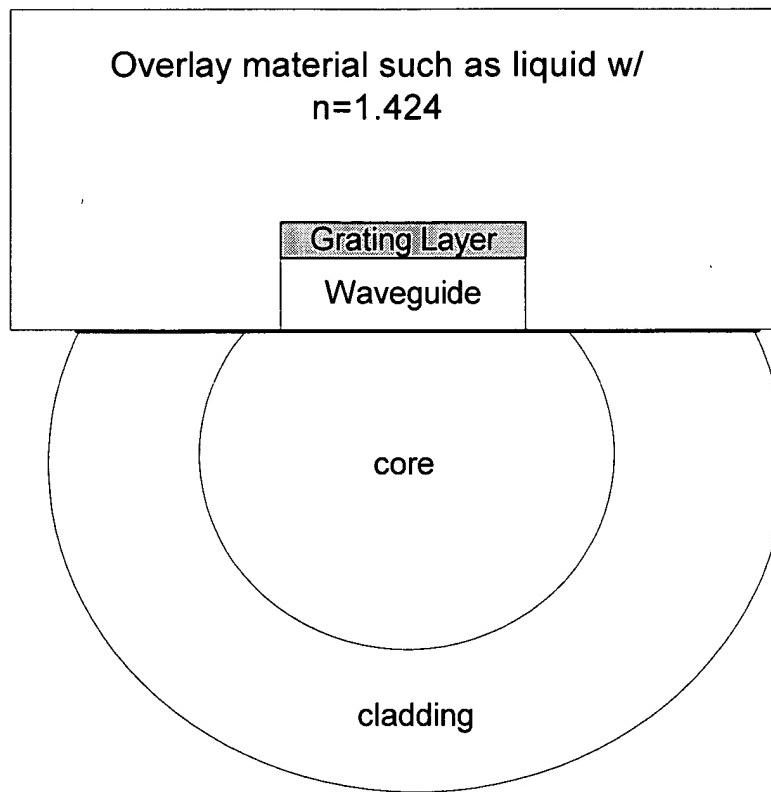
**FIG. 17**



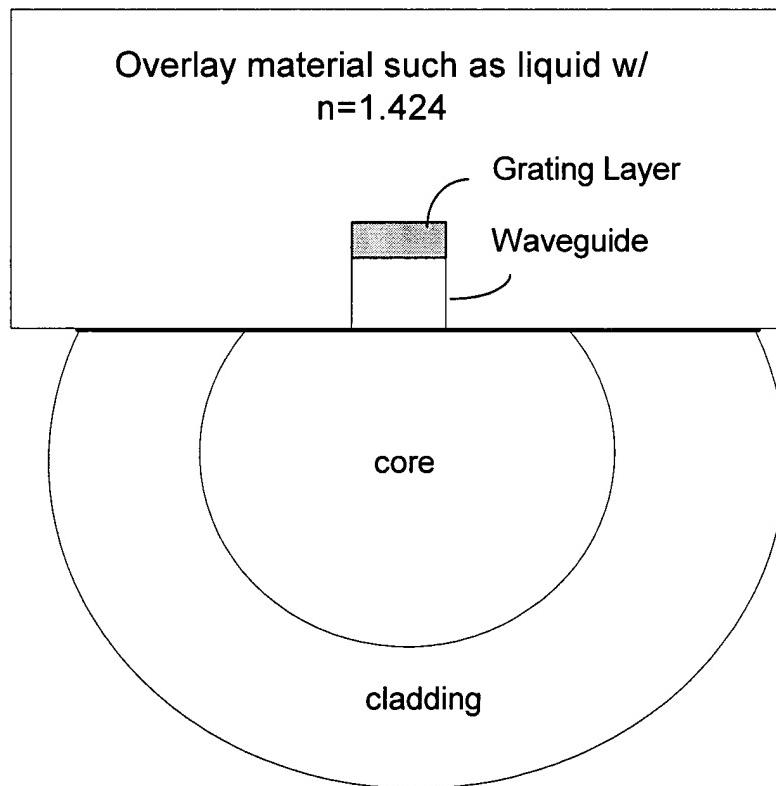
**FIG. 18A**



**FIG. 18B**



**FIG. 18C**



**FIG. 19**

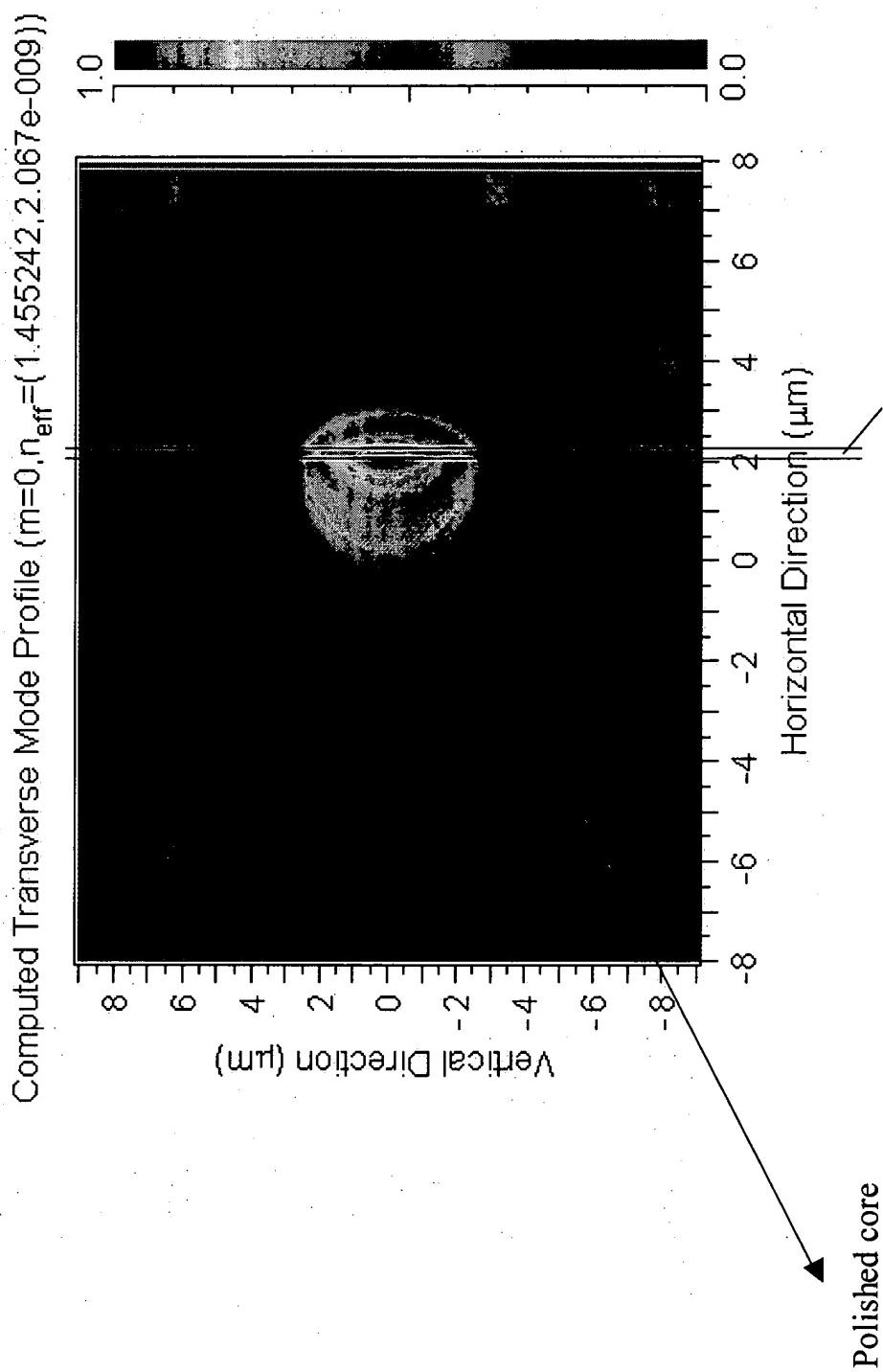
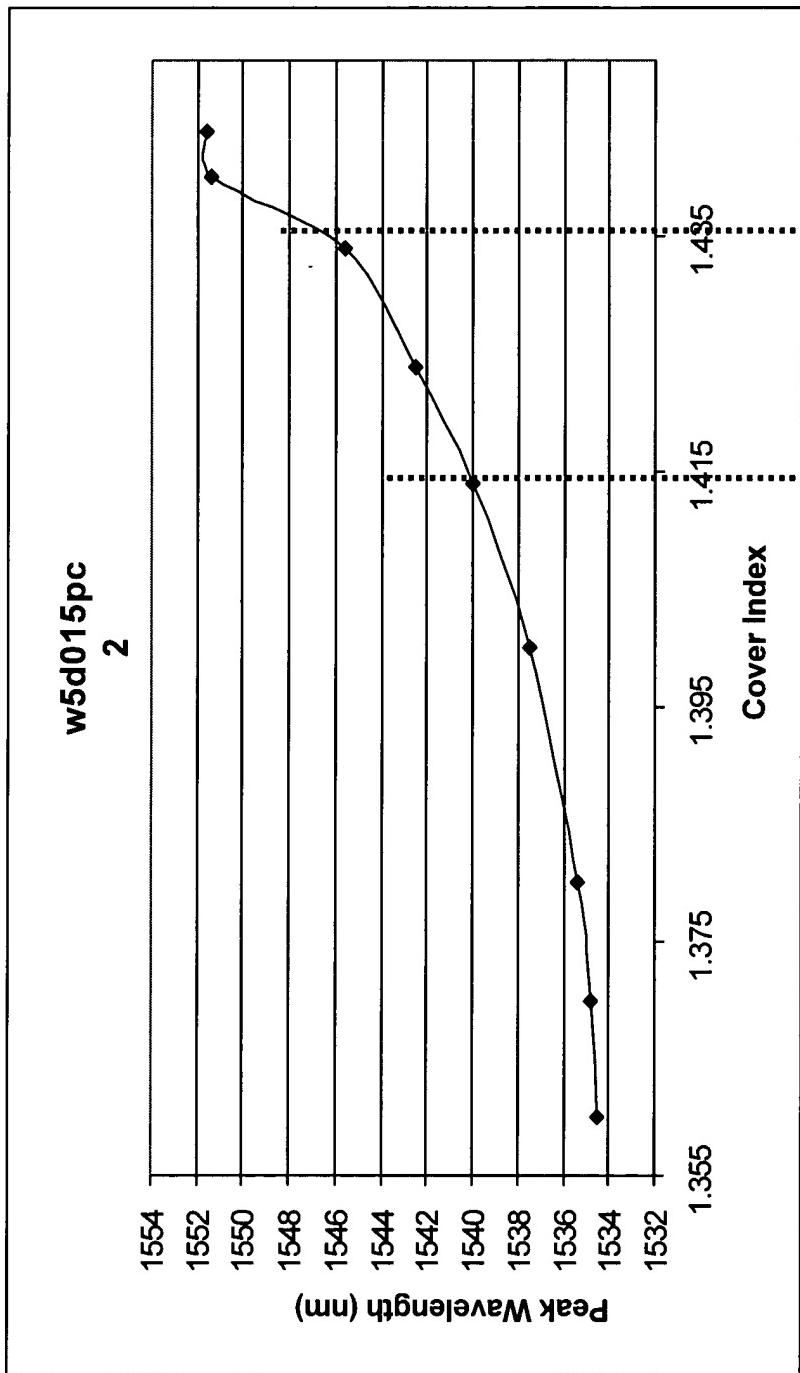
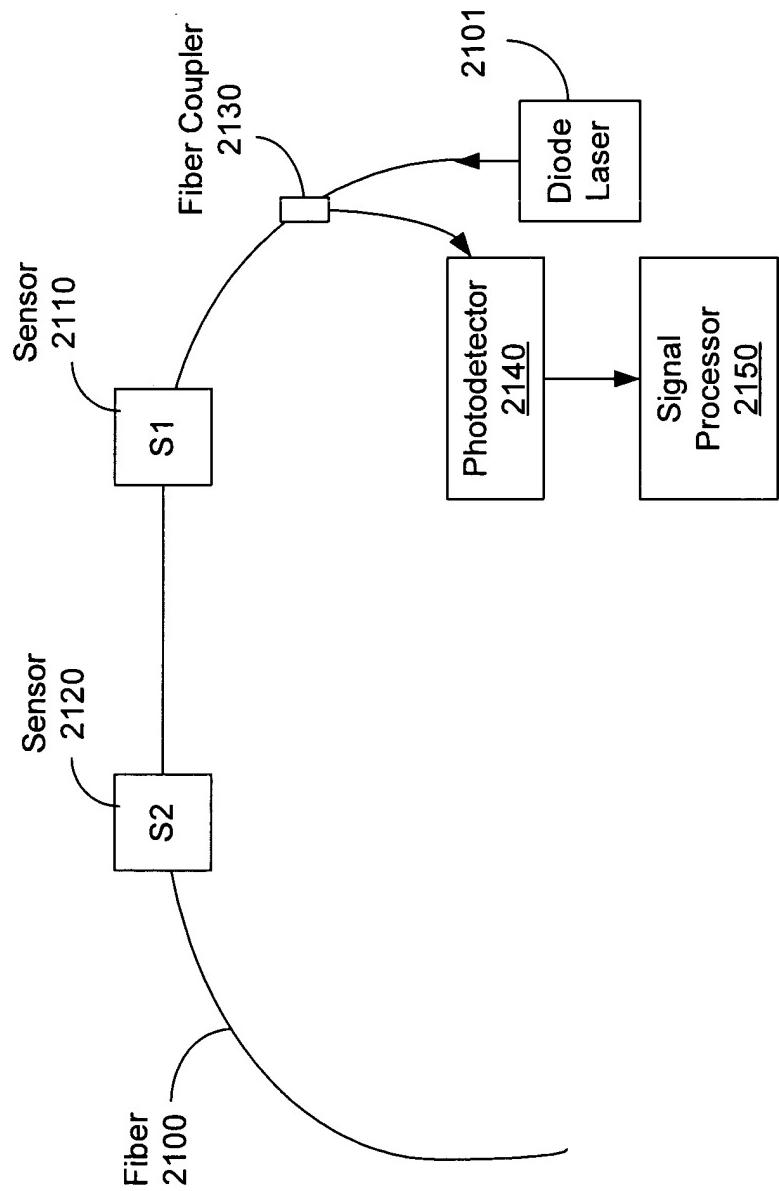


FIG. 20

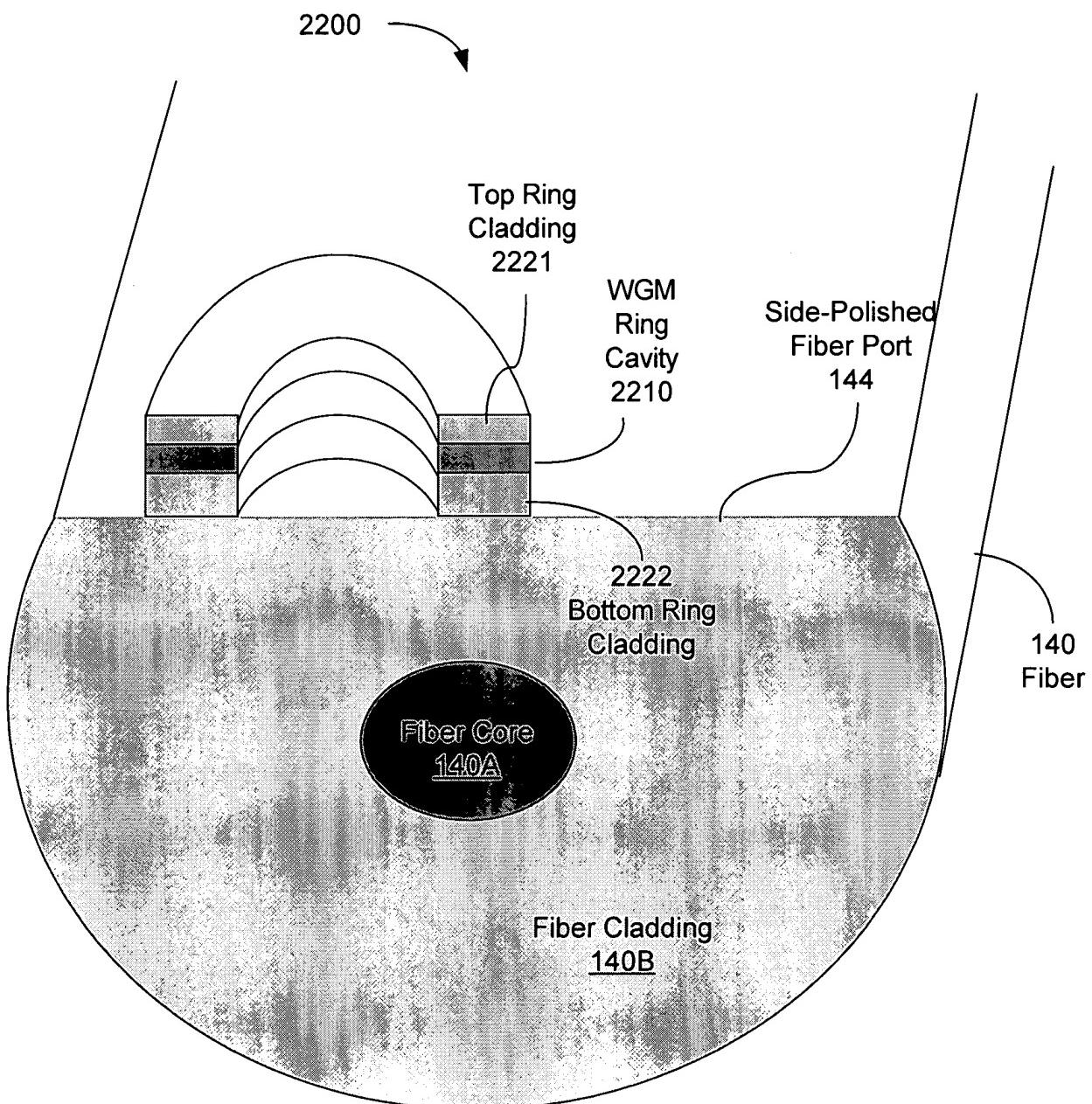


Change of cover index from 1.415 to 1.435 can result in a shift of reflection peak from 1540 to 1546nm. The 1/10000 of the shift can be easily detected by many commercial wavelength meter.

FIG. 21



**FIG. 22**



**FIG. 23**

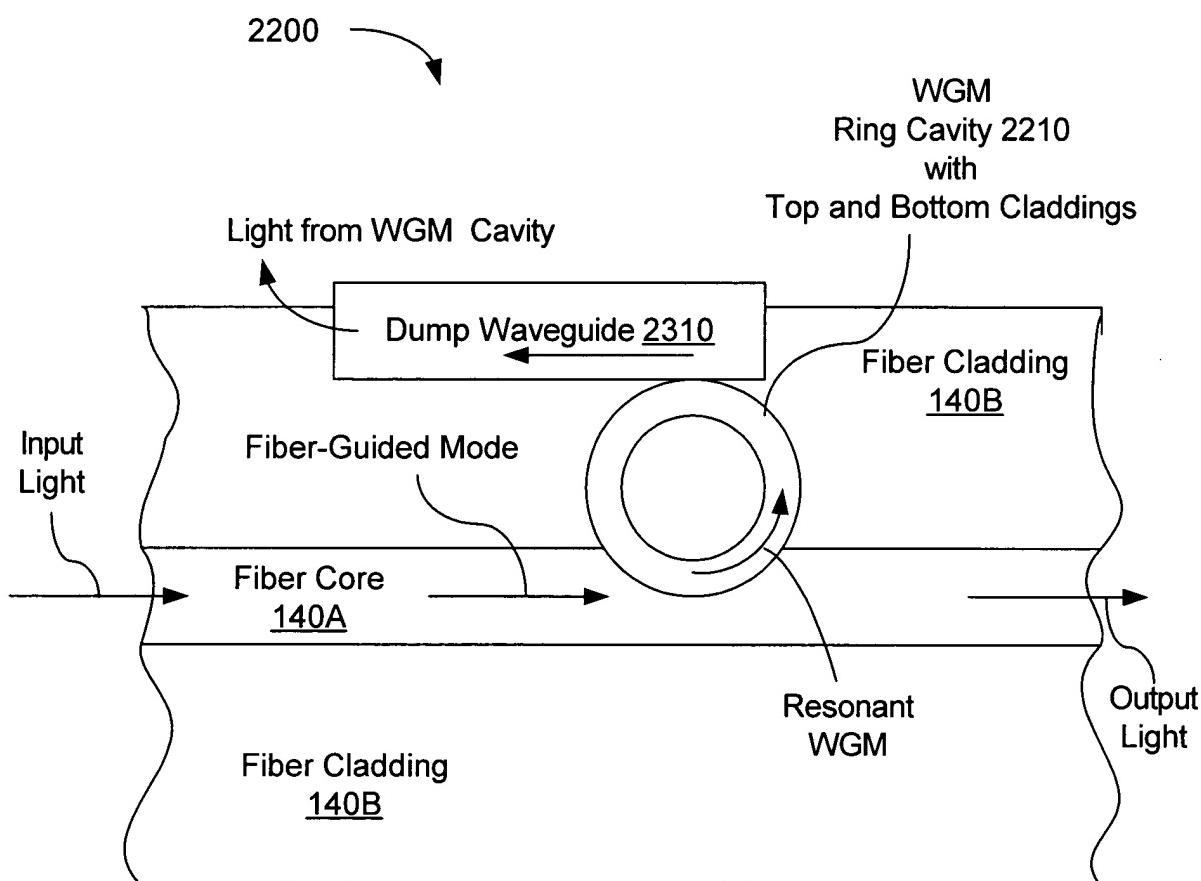


FIG. 24

